

ART. XIV.—*Catalogue of the Marine Shells of Victoria.*

PART II.

By G. B. PRITCHARD AND J. H. GATLIFF.

[Read 8th December, 1898.]

We published in December, 1897, Part I. of the present catalogue, which included 12 species of Cephalopoda, 11 species of Pteropoda, and 60 species of Gastropoda, making a total of 83 species.

The present part contains a total of 58 additional species of gastropods, comprising the following families:—Mitridæ, Marginellidæ, Olividæ, Columbellidæ, Cancillariidæ, and Terebridæ.

Family MITRIDÆ.

Genus **Mitra**, Lamarck, 1799.

MITRA AUSTRALIS, Swainson.

Mitra australis, Swainson. *Zoological Illustrations*, 1st series, pl. 18.

- 1833. *Mitra melaleuca*, Quoy and Gaimard. *Astrolabe*, vol. ii., p. 657, pl. 45, f. 26-27.
- 1841. *Mitra melaleuca*, Kuster. *Conch. Cab.*, p. 142, No. 132, pl. 17e, f. 8.
- 1844. *Mitra australis*, Reeve. *Conch. Icon.*, vol. ii., pl. 16, f. 118.
- 1874. *Mitra australis*, Sowerby. *Thes. Conch.*, vol. iv., p. 6, pl. 363, f. 182.
- 1874. *Mitra kieneri*, Sowerby. *Id.*, p. 32, pl. 368, f. 324.
- 1882. *Mitra kieneri*, Tryon. *Man. Conch.*, vol. iv., p. 124, pl. 36, f. 86.
- 1882. *Mitra australis*, Tryon. *Id.*, p. 126, pl. 37, f. 104, 105.

Hab.—Coast generally.

Obs.—It is worthy of note that in adult specimens the lip becomes remarkably expanded.

MITRA VINCENTIANA, Verco.

1896. *Mitra vincentiana*, Verco. T.R.S. S.A., p. 223, pl. 8, f. 3.

Hab.—Dredged 4 to 5 fathoms off Phillip Island, Western Port (J. Gabriel).

MITRA GLABRA, Swainson.

1821. *Mitra glabra*, Swainson. Exotic Conch., vol. i., pl. 24.

1833. *Mitra buccinata*, Quoy and Gaimard. Astrolabe, vol. ii., p. 653, pl. 45 *bis*, f. 14, 15.

1841. *Mitra buccinata*, Kuster. Conch. Cab., p. 136, pl. 17, f. 13.

1843. *Mitra glabra*, Lam. Anim. S. Vert. (ed. Desh.), vol. x., p. 348, sp. 90.

Mitra buccinata, Kiener. Icon. Coq. Viv., p. 32, pl. 11, f. 31.

1844. *Mitra glabra*, Reeve. Conch. Icon., vol. ii., pl. 6, f. 43.

1844. *Mitra declivis*, Reeve. *Id.*, f. 44.

1874. *Mitra glabra*, Sowerby. Thes. Conch., vol. iv., p. 7, pl. 355, f. 54.

1874. *Mitra declivis*, Sowerby. *Id.*, p. 7, pl. 365, f. 233, and pl. 366, f. 272.

1882. *Mitra glabra*, Tryon. Man. Conch., vol. iv., p. 117, pl. 34, f. 42.

1882. *Mitra declivis*, Tryon. *Id.*, pl. 34, f. 39 and 41.

Hab.—Western Port; Otway Coast; Port Fairy.

Obs.—Tryon considers that *M. declivis*, Reeve, is probably a deformed specimen of *M. glabra*, Sw., and we agree with him.

MITRA MELANIANA, Lamarck.

1811. *Mitra melaniana*, Lamarck. Ann. du Mus., vol. xvii., p. 212.

Mitra carbonaria, Swainson. Zoological Illustrations, 2nd ser., pl. 1.

1841. *Mitra melaniana*, Kuster. Conch. Cab., p. 44, No. 10, pl. 8, f. 7-8.

1844. *Mitra nigra*, Reeve (non Chemnitz). Conch. Icon., vol. ii., pl. 5, f. 33.

1874. *Mitra nigra*, Sowerby. *Thes. Conch.*, vol. iv., p. 6, pl. 352, f. 4.

1882. *Mitra melaniana*, Tryon. *Man. Conch.*, vol. iv., p. 127, pl. 37, f. 118.

Hab.—Point Roadknight; The Nobbies, Phillip Island; and Western Port.

Obs.—Reeve refers to *Voluta nigra*, Chemnitz, *Conch.*, vol. x., p. 168. Tryon states: "Sowerby and Reeve call this species *M. nigra*, Chemnitz, but the figures in that scarcely-quotable author do not indicate this shell." As we cannot refer to the work by Chemnitz, we cite the shell as above.

MITRA BADIA, Reeve.

1844. *Mitra badia*, Reeve. *P.Z.S. Lond.*, p. 181.

1844. *Mitra badia*, Reeve. *Conch. Icon.*, vol. ii., pl. 20, f. 157.

1874. *Mitra badia*, Sowerby. *Thes. Conch.*, vol. iv., pl. 363, f. 181.

1882. *Mitra badia*, Tryon. *Man. Conch.*, vol. iv., p. 127, pl. 37, f. 112.

Hab.—Coast generally.

Obs.—The animal is opaque white. Specimens of what we consider to be a white variety of the above species have been obtained at Port Fairy by Rev. W. T. Whan. When living, it has a thin olive-brown epidermis.

MITRA ROSETTÆ, Angas.

1865. *Mitra rosettæ*, Angas. *P.Z.S. Lond.*, p. 55, pl. 2, f. 6.

1874. *Mitra rosettæ*, Sowerby. *Thes. Conch.*, vol. iv., p. 5, pl. 357, f. 339.

1882. *Mitra rosettæ*, Tryon. *Man. Conch.*, vol. iv., p. 121, pl. 35, f. 64.

Hab.—Point Roadknight; Airey's Inlet; Apollo Bay.

Obs.—This species is closely allied to *M. badia*, but may be distinguished by its spiral whorls being more flattened, the body whorl more ventricose, and also by the lighter coloured longitudinal markings on the upper portion of the whorls. We have rarely found it on our coast, but *M. badia* is common.

MITRA PICA, Reeve.

1845. *Mitra pica*, Reeve. P.Z.S. Lond., p. 49.
 1845. *Mitra pica*, Reeve. Conch. Icon., vol. ii., pl. 31,
 f. 247.
 1874. *Mitra pica*, Sowerby. Thes. Conch., vol. iv., pl.
 374, f. 522.
 1882. *Mitra pica*, Tryon. Man. Conch., vol. iv., p. 125,
 pl. 37, f. 96.

Hab.—Western Port; Otway Coast; Warrnambool.

Obs.—Reeve does not give the habitat, Tryon names Cape of Good Hope, but in Marine Shells of South Africa, by G. B. Sowerby, 1892, it is not included.

MITRA SCITA, Woods.

1875. *Mitra scita*, T. Woods. P.R.S. Tas., p. 141.
 1882. *Mitra scita*, Tryon. Man. Conch., vol. iv., p. 128.
 Hab.—Portland.

Obs.—T. Woods observes “belonging to the series of which *M. badia* is a large representative,” and describes it as pure deep brown; we have specimens from Cape Bridgewater with a light colour band below the suture, and irregular longitudinal whitish markings round about the centre of the whorls.

MITRA FRANCISCANA, T. Woods.

1876. *Mitra franciscana*, T. Woods. P.R.S. Tas., p. 133.
 Hab.—Dredged off Phillip Island in about four fathoms (C. J. Gabriel).
 Obs.—In size and general habit resembling *M. badia*, but differing in being strongly decussate in the sculpture.

Genus **TURRICULA**, Klein, 1753.**TURRICULA TASMANICA**, T. Woods.

1875. *Mitra tasmanica*, T. Woods. P.R.S. Tas., p. 139.
 1877. *Mitra weldii*, T. Woods. P.R.S. Tas., p. 31.
 1878. *Mitra tatei*, Angas. P.Z.S. Lond., p. 861, pl. 54,
 f. 8.
 1882. *Mitra (Pusia) tatei*, Tryon. Man. Conch., vol. iv.,
 p. 183, pl. 54, f. 567.

Hab.—Coast generally.

Obs.—Columella quaduplicate.

Tryon states its length at three inches. Its length is about three-eights of an inch. In his description T. Woods states that there are two or three yellowish-white transverse bands. Specimens of our shell only display two transverse bands on the body whorl, and usually one only on the spiral whorls.

TURRICULA SCALARIFORMIS, T. Woods.

1875. *Mitra scalariformis*, T. Woods. P.R.S. Tas., p. 140.
1875. *Mitra legrandi*, T. Woods. *Id.*
1878. *Mitra schomburgki*, G. F. Angas. P.Z.S. Lond., p. 313, pl. 18, f. 12-13.
1882. *Turricula (Costellaria) schomburgki*, Tryon. Man. Conch., vol. iv., p. 173, pl. 51, f. 470.

Hab.—Coast generally.

Obs.—Columella triplicate.

Note.—Our two foregoing species have been wrongly identified with the following:—*M. capensis*, Dunker (M.S.), Reeve, Conch. Icon., pl. 33, f. 268; described as being transversely cancellated between the ribs; *Volutomitra vincta*, A. Adams, P.Z.S. Lond., 1854, p. 134, described as being smooth within the lip—Hab., Cape Natal; and *M. rufocincta*, A. Adams, P.Z.S. Lond., 1851, p. 134, described as impressed with transverse lines between the ribs, a feature only faintly discernible in our shells.

Family MARGINELLIDÆ.

Genus Marginella, Lamarek, 1801.

MARGINELLA MUSCARIA, Lamarek.

1822. *Marginella muscaria*, Lam. Anim. S. Vert., vol. x., p. 441.
Marginella muscaria, Kiener. Icon. Coq. Viv., pl. 3, f. 14.
1846. *Marginella muscaria*, Sowerby. Thes. Conch., vol. i., p. 376, pl. 75, f. 45-47.
1864. *Marginella muscaria*, Reeve. Conch. Icon., vol. xv., pl. 8, f. 29 a, b.
1883. *Marginella formicula*, Tryon (non Lam.). Man. Conch., vol. v., p. 23, pl. 6, f. 3.

Hab.—Gippsland Coast.

Obs.—This is the largest species found on Victorian shores.

Hutton in his Manual of New Zealand Mollusca, p. 202, states that his species *Erato lactea* may be the same as *M. muscaria*, and by a recent letter from Mr. Henry Suter of Christchurch, New Zealand, we are informed that this is the case.

MARGINELLA JOHNSTONI, Petterd.

1884. *Marginella johnstoni*, Petterd. *Jour. of Conch.*, No. 33, p. 143.

Hab.—Brighton; San Remo; Sorrento.

Obs.—As Petterd remarks in his note to the description “approaching *M. muscaria* and *M. tasmanica*,” it never attains to more than about one half of the length of the former species, and is constant in size and form. Sowerby remarks of *M. muscaria* “This species is remarkable for a tumidity near the reflected lip on the back of the last whorl.” This feature is not prominent in *M. johnstoni*.

MARGINELLA TASMANICA, T. Woods.

1875. *Marginella tasmanica*, T. Woods. *P.R.S. Tas.*, p. 28, No. 5.

1883. *Marginella (Gabella) tasmanica*, Tryon. *Man. Conch.*, vol. v., p. 23, pl. 7, f. 6.

Hab.—San Remo; Port Albert.

Obs.—May be readily distinguished from *M. johnstoni* by its narrower form and more lengthy spire.

MARGINELLA FORMICULA, Lamarck.

1822. *Marginella formicula*, Lam. *Anim. S. Vert.*, vol. x., p. 441.

1846. *Marginella formicula*, Sowerby. *Thes. Conch.*, vol. i., p. 376, pl. 75, f. 41, 42.

1864. *Marginella formicula*, Reeve. *Conch. Icon.*, vol. xv., pl. 8, f. 28, a, b.

1883. *Marginella formicula*, Tryon. *Man. Conch.*, vol. v., p. 23, pl. 6, f. 2.

Hab.—Portland (Maplestone).

Obs.—This species is always plicate on the spire and on the shoulder of the body whorl, a feature never present in either of the three foregoing species.

MARGINELLA OVULUM, Sowerby.

1846. Marginella ovulum, Sowerby. Thes. Conch., vol. i., p. 401, pl. 78, f. 188.
1865. Marginella ovulum, Reeve. Conch. Icon., vol. xv., pl. 23, f. 129.
1867. Marginella (Cryptospira) ovulum, Angas. P.Z.S. Lond., p. 196.
1879. Marginella ovulum, Weinkauff. Conch. Cab. (ed. Küster), p. 116, sp. 171, pl. 22, f. 4.
1883. Marginella (Persicula) ovulum, Tryon. Man. Conch., vol. v., p. 40, pl. 11, f. 35.
1886. Marginella ovulum, Watson. Chall. Zool., vol. xv., p. 704.

Hab.—Off East Moncoeur Island, Bass Straits (Challenger).

MARGINELLA TURBINATA, Sowerby.

1846. Marginella turbinata, Sowerby. Thes. Conch., vol. i., p. 385, pl. 75, f. 70.
1865. Marginella turbinata, Reeve. Conch. Icon., vol. xv., pl. 22, f. 122.
1879. Marginella turbinata, Weinkauff. Conch. Cab. (ed. Küster), p. 86, sp. 115, pl. 16, f. 9 and 12.
1883. Marginella (Glabella) turbinata, Tryon. Man. Conch., vol. v., p. 23, pl. 7, f. 4.
1886. Marginella (Glabella) turbinata, Watson. Chall., vol. xv., p. 265.

Hab.—Port Phillip; Western Port; Portland.

Obs.—The specimens from the last named locality are unusually large.

MARGINELLA PYGMÆA, Sowerby.

1846. Marginella pygmæa, Sowerby. Thes. Conch., vol. i., p. 386, pl. 75, f. 78, 79.
1865. Marginella pygmæa, Reeve. Conch. Icon., vol. xv., pl. 23, f. 125.
1865. Marginella volutiformis, Reeve. Id., pl. 24, f. 131.
1883. Marginella (Glabella) translucida, Tryon (non Sowerby). Man. Conch., vol. v., p. 26, pl. 8, f. 35.

1883. *Marginella (Glabella) turbinata*, Tryon (non Sowerby). *Id.*, p. 93, pl. 7, f. 5.

Hab.—Port Philip; Western Port; Portland.

Obs.—On comparing the figures and descriptions of *M. pygmaea*, Sowerby, and *M. volutiformis*, Reeve, we have been unable to separate them; Tryon, however, gets into considerable confusion in his treatment of these species, for he considers *M. pygmaea*, Sowerby, to be identical with *M. translucida*, Sowerby. The latter species is found in Port Jackson, and specimens before us show it to be quite distinct; also he regards *M. volutiformis*, Reeve, as a smooth variety of *M. turbinata*, Sowerby, but this cannot be entertained, unless the definition of species in the genus covers greater variation than is at present allowed.

Our specimens of *M. pygmaea*, Sowerby, show some slight variation in aspect on account of differences in the length of the spire, this, apparently, is the reason why Reeve describes *M. volutiformis*, as a new species.

Neither Sowerby nor Reeve gives a locality for their respective species, as they refer to the habitat as unknown.

MARGINELLA MINUTISSIMA, T. Woods.

1875. *Marginella minutissima*, T. Woods. P.R.S. Tas. p. 27.

1883. *Marginella minutissima*, Tryon. Man. Conch., vol. v., p. 56.

Hab.—Brighton.

Obs.—There is a specimen exhibited at the National Museum, Melbourne, as from the above locality.

MARGINELLA CYPREOIDES, T. Woods.

1877. *Marginella (Cryptospira) cypreaoides*, T. Woods. P.R.S. Tas., p. 122.

1883. *Marginella (Glabella) cypreaoides*, Tryon. Man. Conch., vol. v., p. 23.

Hab.—Sorrento (Ocean Beach); Portland (Agnes F. Kenyon); Shoreham Beach, Western Port.

MARGINELLA ALBIDA, Tate.

1878. *Marginella albida*, Tate. Proc. and Rep. Phil. Soc. of Adelaide, p. 87.

1878. *Erato pellucida*, T. Woods (non *M. pellucida*, Reeve). P.R.S. Tas., p. 35.

Marginella simsoni, Brazier, M.S.

1883. *Marginella infans*, Tryon (non Reeve). Man. Conch., vol. v., p. 232.

Hab.—Western Port, Port Fairy (Rev. W. T. Whan).

Obs.—The type of *E. pellucida* is in the National Museum, Melbourne.

MARGINELLA SHOREHAMI, Pritchard and Gatliff.

1898. *Marginella shorehami*, Pritchard and Gatliff. P.R.S. Vic., vol. xi., n.s., pt. ii., p. 179, pl. 20, f. 2.

Hab.—Shoreham Beach, Western Port.

MARGINELLA HALLI, Pritchard and Gatliff.

1898. *Marginella halli*, Pritchard and Gatliff. P.R.S. Vic., vol. xi., n.s., pt. ii., p. 179, pl. 20, f. 1.

Hab.—Shoreham Beach, Western Port.

MARGINELLA ALTERNANS, Pritchard and Gatliff.

1898. *Marginella alternans*, Pritchard and Gatliff. P.R.S. Vic., vol. xi., n.s., pt. ii., p. 180, pl. 20, f. 3.

Hab.—Shoreham Beach, Western Port.

MARGINELLA FLINDERSI, Pritchard and Gatliff.

1898. *Marginella flindersi*, Pritchard and Gatliff. P.R.S. Vic., vol. xi., n.s., pt. ii., p. 180, pl. 20, f. 4.

Hab.—Shoreham Beach, Western Port.

Obs.—The types of the four foregoing species are in Mr. Gatliff's private collection.

Family OLIVIDÆ.

Genus **Oliva**, Bruguière, 1789.

OLIVA AUSTRALIS, Duclos.

1835. *Oliva australis*, Duclos. Monog. du Genre, sp. 56, pl. 8, f. 3, 4.

1850. *Oliva australis*, Reeve. Conch. Icon., vol. 6, pl. 19, f. 52a, 52b.

1858. *Strephona australis*, Gray. Monog. Oliva, P.Z.S. Lond., p. 45, sp. 28.

1871. *Oliva australis*, Sowerby. *Thes. Conch.*, vol. 4, p. 10, pl. 333, f. 85-88.
 1878. *Oliva australis*, Weinkauff. *Conch. Cab.* (ed. Küster), p. 82, pl. 22, f. 3, 4.
 1883. *Oliva australis*, Tryon. *Man. Conch.*, vol. v., p. 85, pl. 32, fig. 19.
 1886. *Oliva (Ispidula) australis*, Watson. *Chall. Zool.*, vol. xv., p. 223.

Hab.—Port Fairy (Rev. W. T. Whan); Portland.

Obs.—The specimens we saw were obtained by the Rev. W. T. Whan at Port Fairy. The enamel of the shell and the markings were in good order, but there are certain indications which lead us to the conclusion that it is a very long time since they were in a live state, we think it possible that they may have been contained in material dredged in harbour improvements.

Genus *Olivella*, Swainson, 1835.

Olivella triticea, Duclos.

1835. *Oliva triticea*, Duclos. *Monog. du. Genre*, pl. 1, f. 3 and 4.
 1850. *Oliva triticea*, Reeve. *Conch. Icon.*, vol. vi., pl. 27, f. 82a, 82b.
 1863. *Oliva pardalis*, Adams and Angas. *P.Z.S. Lond.*, p. 422, pl. 37, f. 3.
 1883. *Olivella triticea*, Tryon. *Man. Conch.*, vol. v., p. 72, pl. 17, f. 42-44.

Hab.—Western Port.

Olivella nymphæ, Adams and Angas.

1863. *Olivella nymphæ*, Adams and Angas. *P.Z.S. Lond.*, p. 422.
 1878. *Oliva (Olivella) nymphæ*, Weinkauff. *Conch. Cab.* (ed. Küster) p. 150, pl. 38, f. 10.
 1883. *Olivella nymphæ*, Tryon. *Man. Conch.*, vol. v., p. 72, pl. 17, f. 46.
 1886. *Oliva (Olivella) nymphæ*, Watson. *Chall. Zool.*, vol. xv., p. 225.

Hab.—Western Port; Port Phillip; Portland (Maplestone).

OLIVELLA LEUCOZONA, Adams and Angas

1863. *Olivella leucozona*, Adams and Angas. P.Z.S.
Lond., p. 422, pl. 37, f. 23.
1867. *Olivella leucozona*. G. F. Angas. *Id.*, p. 192.
1878. *Oliva (Olivella) leucozona*, Weinkauff. Conch.
Cab. (ed. Küster) p. 159, pl. 39, f. 13.
1883. *Oliva leucozona*, Tryon. Man. Conch., vol. v., p.
72, pl. 17, f. 45.
1886. *Oliva (Olivella) leucozona*, Watson. Chall. Zool.,
vol. xv., p. 225.

Hab.—Shoreham, Western Port; San Remo; Lorne.

Genus **Ancilla**, Lamarck, 1799.

ANCILLA LINEATA, Kiener.

- Ancillaria lineata*, Kiener. Icon. Coq. Viv., p. 16,
pl. 3, f. 2.
1859. *Ancillaria lineata*, Sowerby. Thes. Conch., vol.
iii., pl. 3, f. 57, 58.
1864. *Ancillaria lineata*, Reeve. Conch. Icon., vol. xv.,
pl. 8, f. 25, a, b.
1883. *Ancillaria marginata*, Tryon (non Kiener). Man.
Conch., vol. 5, p. 96, pl. 39, fig. 46.

Hab.—Portland (Maplestone).

ANCILLA MARGINATA, Lamarck.

1810. *Ancillaria marginata*, Lamarck. Ann. du Mus.,
vol. xvi., p. 304.
1822. *Ancillaria marginata*, Lamarck. Anim. S. Vert.,
vol. x., p. 591.
1830. *Ancillaria marginata*, Sowerby. Species Conch.,
pt. i., f. 40-43
1859. *Ancillaria marginata*, Sowerby. Thes. Conch., vol.
iii., p. 64, pl. 3, f. 46, 47.
1864. *Ancillaria marginata*, Reeve. Conch. Icon., vol.
xv., pl. 3, f. 8, a, b.
1876. *Ancillaria tasmanica*, T. Woods. P.R.S. Tas., p.
135.
1883. *Ancillaria marginata*, Tryon. Man. Conch., vol.
v., p. 96, pl. 39, f. 44.

Hab.—Coast generally.

Obs.—We have a large series of specimens before us of different sizes and varying stages of growth, on some of which the dark brown markings are absent. Tryon considers that *A. monilifera*, Reeve, *A. lineata*, Kiener, *A. oblonga*, Sowerby, and *A. obesa*, Sowerby, are all young shells of *A. marginata*. With this we cannot agree. We have carefully examined and compared specimens of all of these species excepting *A. obesa*, and consider them to be valid species.

ANCILLA OBLONGA, Sowerby.

- 1830. *Ancillaria oblonga*, Sowerby. *Species Conch.*, pt. i., p. 7, f. 38, 39.
- 1859. *Ancillaria oblonga*, Sowerby. *Thes. Conch.*, vol. iii, p. 65, pl. 213, f. 42, 43.
- 1864. *Ancillaria oblonga*, Reeve. *Conch. Icon.*, vol. xv., pl. 8, f. 24, a, b.
- 1883. *Ancillaria marginata*, Tryon (non Lamarck). *Man. Conch.*, vol. v., p. 96, pl. 39, f. 47.
- 1886. *Ancilla (Amalda) oblonga*, Watson. *Chall. Zool.*, vol. xv., p. 231.

Hab.—Off East Moncoeur Island, Bass Strait, 38 fathoms (Challenger).

ANCILLA PETTERDI, Tate.

- 1886. *Ancillaria obtusa*, Petterd (non Swainson). *P.R.S. Tas.*, p. 342.
- 1893. *Ancillaria obesula*, Tate (non Deshayes). In *Adcock's Hand List S.A. Moll.*, p. 5.
- 1893. *Ancillaria obesula*, Tate (non Deshayes). *P.R.S. S.A.*, p. 199.
- 1893. *Ancillaria petterdi*, Tate. *P.R.S. S.A.*, p. 199.

Hab.—Apollo Bay and Otway Coast.

ANCILLA EDITHÆ, Pritchard and Gatliff.

- 1898. *Ancilla edithæ*, Pritchard and Gatliff. *P.R.S. Vic.*, vol. xi., n.s., pt. ii., p. 181, pl. 20, f. 5.

Hab.—Rosebud, Sorrento, Port Phillip.

Obs.—The type is in Mr. Gatliff's private collection.

Family COLUMBELLIDÆ.

Genus **Columbella**, Lamarck, 1799.

COLUMBELLA SEMICONVEXA, Lamarck.

1822. *Buccinum semiconvexum*, Lamarck. *Anim. S. Vert.*, 2nd ed., vol. x., p. 171.
1847. *Columbella semiconvexa*, Sowerby. *Thes. Conch.*, vol. i., pl. 38, f. 103, 104.
1858. *Columbella semiconvexa*, Reeve. *Conch. Icon.*, vol. xi., pl. 18, f. 95a. b.
1859. *Columbella strigata*, Reeve. *Id.*, pl. 25, f. 154.
1859. *Columbella rosacea*, Reeve. *Id.*, pl. 29, f. 183.
1865. *Columbella yorkensis*, Crosse. *Jour. d. Conch.*, p. 55, pl. 2, f. 6.
1883. *Columbella semiconvexa*, Tryon. *Man. Conch.*, vol. v., p. 125, pl. 48, f. 87-89.
1883. *Columbella broderipii*, Tryon (non Sowerby). *Id.*, p. 114, pl. 46, f. 26.
1892. *Columbella (Mitrella) semiconvexa*, Kobelt. *Conch. Cab.* (ed. Kuster), p. 81-83, pl. 11, f. 10-18 (not f. 13).

Hab.—Coast generally.

Obs.—The commonest species found on our shores. It differs greatly in size; in length from 21 mm. to 8 mm., and in breadth from 7 mm. to 3 mm.; specimens measuring 16 mm. in length sometimes are met with that attain to the maximum of 7 mm. in breadth; and the shell varies in colour, from a uniform white to brown with darker markings. This species in South Australia is generally somewhat narrower in form, and in New South Wales does not attain to such a large size as elsewhere.

We cannot follow G. F. Angas (P.Z.S. Lond., 1867, p. 194) in accepting *C. saccharata*, Reeve, *Conch. Icon.*, vol. xi., pl. 29, f. 187, as a synonym, as the figure of that species is of a more acuminate shell than is exhibited by any specimen of the many hundreds that we have examined from Victoria, New South Wales or South Australia.

We refer to *C. rosacea* as a synonym, but the specimen figured is an unusually small one of *C. semiconvexa*, and the figure shows an abnormal development of the upper denticle.

Tryon includes in the synonymy *C. saccharata*, Reeve, *C. lutea*, Quoy, *C. polita*, Reeve, and *C. miltostoma*, Woods, but we cannot agree with him.

COLUMBELLA AUSTRINA, Gaskoin.

- 1851. *Columbella austrina*, Gaskoin. P.Z.S. Lond., p. 9.
- 1858. *Columbella austrina*, Reeve. Conch. Icon., vol. xi., pl. 19, f. 100.
- 1863. *Columbella infumata*, Crosse. Jour. d. Conch., p. 84, pl. 1, f. 3.
- 1883. *Columbella (Nitidella) infumata*, Tryon. Man. Conch., vol. v., p. 117, pl. 47, f. 45.
- 1883. *Columbella (Mitrella) austrina*, Tryon. *Id.*, p. 126, pl. 49, f. 99.
- 1892. *Columbella (Alia?) infumata*, Kobelt. Conch. Cab. (ed. Kuster), p. 105, No. 83, pl. 15, f. 14.
- 1893. *Columbella (Mitrella) austrina*, Kobelt. Conch. Cab. (ed. Kuster), p. 170, No. 165, pl. 23, f. 12.

Hab.—Lorne; Western Port; Port Phillip; Corio Bay; Puebla Coast; Airey's Inlet; Apollo Bay.

Obs.—This species has been wrongly identified as *C. impolita*, Sowerby, Thes. Conch., vol. i., p. 132, pl. 39, f. 127, which it much resembles in colouration, but is not nearly so large. *C. impolita*, is flatter in the whorls, and in the specimens before us from Japan the earlier spiral whorls are distinctly longitudinally plicate, a feature never present in our species.

COLUMBELLA MENKEANA, Reeve.

- 1843. *Buccinum acuminatum*, Menke (non *C. acuminata*, Nuttall). Moll. Nov. Holl., p. 20, No. 87.
- 1858. *Columbella menkeana*, Reeve. Conch. Icon., vol. xi., pl. 14, f. 69, a, b.
- 1876. *Columbella xavierana*, T. Woods. P.R.S. Tas., p. 134.
- 1883. *Columbella (Mitrella) menkeana*, Tryon. Man. Conch., vol. v., p. 120, pl. 48, f. 66.
- 1883. *Columbella (Mitrella) xavierana*, Tryon. *Id.*, p. 137, pl. 51, f. 50.

1892. *Columbella (Mitrella) menkeana*, Kobelt. Conch. Cab. (ed. Kuster), p. 110, No. 89, pl. 16, f. 12-14.
1895. *Columbella (Mitrella) xavieriana*, Kobelt. Conch. Cab. (ed. Kuster), p. 213, No. 238, pl. 29, f. 10.

Hab.—Western Port; Otway Coast.

Obs.—The shell named *C. xavieriana*, T. Woods, is the variety on which the dark markings “assume the form of undulating chesnut longitudinal broad lines of colour, which under the lens are sometimes seen to be flecked with white.” This variety has been wrongly identified as *C. tayloriana*, Reeve, a broader New South Wales species. Occasionally the shell has a narrow continuous encircling brown band, which commences on the centre of the outer lip and continues round the spire immediately above and adjoining the suture.

COLUMBELLA LINCOLNENSIS, Reeve.

1859. *Columbella lincolnensis*, Reeve. Conch. Icon., vol. xi., pl. 29, f. 184, a, b.
1867. *Columbella (Mitrella) lincolnensis*, Angas. P.Z.S. Lond., p. 195.
1883. *Columbella (Mitrella) lincolnensis*, Tryon. Man. Conch., vol. v., p. 120, pl. 48, f. 65.
1893. *Columbella (Atilia) lincolnensis*, Kobelt. Conch. Cab. (ed. Kuster), p. 134, No. 118, pl. 19, f. 15-16.

Hab.—Western Port; Port Phillip; Otway Coast.

Obs.—Victorian specimens are usually more robust in form than the type from South Australia. In general habit it closely resembles *C. menkeana*, but is much smaller.

COLUMBELLA LINEOLATA, Tryon.

1871. *Columbella maculosa*, Pease (non Sowerby). Amer. Jour. Conch., vol. vii., p. 22.
1876. *Columbella dermestoides*, Angas (non Kiener). P.Z.S. Lond., p. 195.
1877. *Columbella lineolata*, Brazier. P.Z.S. N.S.W., vol. i., p. 231.
1883. *Columbella (Mitrella) lineolata*, Tryon. Man. Conch., vol. v., p. 138, pl. 51, f. 53.

Hab.—Portland ; Lorne ; Western Port ; Port Phillip.

Obs.—This shell was first described by Pease as *C. maculosa*, a name pre-occupied by Sowerby. Angas then wrongfully identified it as *C. dermestoides*, Kiener, an allied species from the West Indies. Then Brazier incidentally drew attention to the error of Angas, and said it was *C. lineolata*, Pease ; in this he made a mistake, as Pease never named a shell *C. lineolata*, but described one as *C. lineata*, which was not figured, and the description does not tally with the shell under discussion ; we therefore must cite the species as *C. lineolata*, Tryon. Tryon's figure is not a good one, and appears to have been taken from a poor small specimen.

COLUMBELLA MILTOSTOMA, T. Woods.

1876. *Columbella miltostoma*, T. Woods. P.R.S. Tas., p. 134.

1883. *Columbella (Mitrella) semiconvexa*, Tryon (non Lamarck). Man. Conch., vol. v., p. 125, pl. 48, f. 93.

1892. *Columbella (Mitrella) semiconvexa*, Kobelt (non Lamarck). Conch. Cab., p. 82.

1892. *Columbella (Mitrella) unisulcata*, Kobelt. Conch. Cab. (ed. Kuster), p. 119, No. 100, pl. 17, f. 15, 16.

Hab.—Flinders, San Remo.

Obs.—Tryon considers this shell to be a minor variety of *C. semiconvexa*, Lamarck. He is wrong. The foregoing species, *C. lineolata*, is in general habit nearly related ; but it may be distinguished therefrom by a continuous encircling groove immediately below the suture, by its lighter coloration, and different style of marking ; these diversities are constant. Tryon's figure is a poor one and the delineation has not shown the groove alluded to ; it is not a deep one, but always present, and he may be excused, as Tenison Woods does not mention it in his description of the shell. Dr. Kobelt follows Tryon in regarding *C. miltostoma*, T. Woods as a variety of *C. semiconvexa*, Lamarck, yet the actual species we regard as T. Woods' is described by him as new, clearly showing that T. Woods' species had not been correctly identified.

COLUMBELLA ANGASI, Brazier.

1865. *Columbella interrupta*, Angas (non Gaskoin). P.Z.S. Lond., p. 56, pl. 2, f. 9, 10.
1871. *Columbella angasi*, Brazier. *Id.*, p. 322.
1883. *Columbella (Mitrella) angasi*, Tryon. Man. Conch., vol. v., p. 128, pl. 49, f. 11.
1895. *Columbella (Mitrella) angasi*, Kobelt. Conch. Cab. (ed. Kuster), p. 210, No. 233, pl. 29, f. 4.

Hab.—Western Port; Port Phillip; Outer Geelong Harbour.

COLUMBELLA TENISONI, Tryon.

1875. *Columbella minuta*, T. Woods (non Gould). P.R.S. Tas., p. 152.
1883. *Columbella (Mitrella) tenisoni*, Tryon. Man. Conch., vol. v., p. 128, pl. 49, f. 10.
1895. *Columbella (Mitrella) tenisoni*, Kobelt. Conch. Cab. (ed. Kuster), p. 210, No. 232.

Hab.—Western Port.

COLUMBELLA TENUIS, Gaskoin.

1851. *Columbella tenuis*, Gaskoin. P.Z.S. Lond., p. 2.
1851. *Columbella pulla*, Gaskoin. *Id.*, p. 6.
1858. *Columbella pulla*, Reeve. Conch. Icon., vol. xi., pl. 19, f. 106.
1859. *Columbella tenuis*, Reeve. *Id.*, pl. 35, f. 224.
1859. *Columbella nux*, Reeve. *Id.*, pl. 35, f. 227.
1875. *Columbella badia*, T. Woods. P.R.S. Tas., p. 151.
1875. *Columbella robinii*, T. Woods. *Id.*, p. 151.
1883. *Columbella (Mitrella) tenuis*, Tryon. Man. Conch., vol. v., p. 127, pl. 49, f. 3.
1883. *Columbella (Mitrella) pulla*, Tryon. *Id.*, pl. 49, f. 4-6.
1892. *Columbella (Mitrella) pulla*, Kobelt. Conch. Cab. (ed. Kuster), p. 106, No. 84, pl. 15, f. 15-18.
1892. *Columbella (Mitrella) tenuis*, Kobelt. Conch. Cab. (ed. Kuster), p. 127, No. 109, pl. 18, f. 15-16.

Hab.—Western Port; Port Philip; Otway Coast.

Obs.—Type described from a large young shell, with broad, flamed, brown markings, and in which the outer lip has not developed the internal denticles; in adult specimens these are

pronounced, and the columella exhibits the same character, but the denticulations there are not so rounded or prominent. Specimens of this species, as of others, are sometimes found of a creamy white with a narrow encircling brown band at the suture. In dark coloured shells the white columella, mentioned in Gaskoin's description as distinctive, is very rarely absent.

COLUMBELLA TENEBRICA, Reeve.

- 1859. *Columbella tenebrica*, Reeve. *Conch. Icon.*, vol. xi., pl. 31, f. 204
- 1883. *Columbella (Mitrella) tenebrica*, Tryon. *Man. Conch.*, vol. v., p. 128, pl. 49, f. 9.
- 1892. *Columbella (Mitrella) tenebrica*, Kobelt. *Conch. Cab. (ed. Kuster)*, p. 119, No. 99, pl. 17, f. 14.

Hab.—Western Port.

Obs.—Reeve remarks, “allied to *C. pulla* in form and general appearance, but it will be found on examination to be obscurely striped, while it has not the white columella distinctive of that species.” We think it probable that *C. velata*, Reeve, *Conch. Icon.*, vol. xi., pl. 28, f. 182, should be united with *C. tenebrica*, but Reeve does not give the dimensions of *C. velata*, and the other species figured on plate 28 are much enlarged, this fact is not stated and the usual lines indicating the length of the shells are omitted.

COLUMBELLA NUBECULATA, Reeve.

- 1859. *Columbella nubeculata*, Reeve. *Conch. Icon.*, vol. xi., pl. 37, f. 234.
- 1878. *Columbella dictua*, T. Woods. *P.R.S. Tas.*, p. 34.
- 1883. *Columbella (Mitrella) dictua*, Tryon. *Man. Conch.*, vol. v., p. 126, pl. 48, f. 96.
- 1883. *Columbella (Mitrella) roblini*, Tryon (non T. Woods). *Id.*, p. 128, pl. 49, f. 7.
- 1883. *Columbella (Mitrella) nubeculata*, Tryon. *Id.*, p. 140, pl. 51, f. 55.
- 1892. *Columbella (Mitrella) nubeculata*, Kobelt. *Conch. Cab. (ed. Kuster)*, p. 113, No. 92, pl. 16, f. 18.
- 1893. *Columbella (Mitrella) vineta*, Tate. *T.R.S. S.A.*, vol. xvii., p. 190, pl. 1, f. 11.
- 1895. *Columbella (Mitrella) dictua*, Kobelt. *Conch. Cab. (ed. Kuster)*, p. 209, No. 230, pl. 29, f. 1.

Hab.—Western Port; Port Phillip; Portland.

Obs.—The colouration of this shell displays more variation than any species that we know. Reeve remarks, "rather obscurely clouded in respect of colouring which inclines towards the base to form a fine network." In *C. dictua* this network continues over the whole shell, but assumes the form of zig-zag spiral lines; when the markings take the form of an encircling band it may be present on two of the apical whorls only, the rest of the shell being white, or it may continue round all the whorls, the *C. vineta* being marked in this latter manner; or the lines and the reticulations may be present in the same shell; or it may be all white, salmon-red, or blackish-brown, or principally lavender or yellow; or any of these may be the body colour, with darker markings forming encircling spots, bands, irregular maculations, longitudinal flammings, or fine lines; but the form is fairly constant, the size varying from: length, 10 mm.; breadth, 4.5 mm., to length, 6 mm.; breadth, 2.4 m.m.

Tryon rightly considers *C. roblini*, T. Woods, to be a synonym of *C. pulla*, Gaskoin, but the shell he figures, quoted above, does not answer to Woods' description, but is one of the many varieties of *C. nubeculata*.

COLUMBELLAA ATTENUATA, Angas.

1871. *Columbella attenuata*, Angas. P.Z.S. Lond., p. 14,
pl. 1, f. 4.

1883. *Columbella (Atilia) attenuata*, Tryon. Man. Conch.,
vol. v., p. 151, pl. 53, f. 18.

1884. *Terebra beddomei*, Petterd. Jour. of Conch., vol.
iv., No. 28, p. 142.

1896. *Columbella (Atilia) attenuata*, Kobelt. Conch.
Cab. (ed. Kuster), p. 220, No. 251, pl. 30, f. 6.

Hab.—Barwon Heads (T. S. Hall).

COLUMBELLAA BRUNNEA, Brazier.

1898. *Columbella (Mitrella) brunnea*, Brazier. P.L.S.
N.S.W., p. 271.

Hab.—San Remo; Ocean Beach, West Head, Flinders.

Obs.—The type is a brown shell, but we also have specimens that are entirely white, and others that have a circle of brown spots below the suture.

COLUMBELLA ATKINSONI, T. Woods.

1875. *Mangelia atkinsoni*, T. Woods. P.R.S. Tas., p. 141.
1877. *Columbella speciosa*, Angas. P.Z.S. Lond., p. 35, pl. 5, f. 3.
1883. *Columbella (Seminella) speciosa*, Tryon. Man. Conch., vol. v., p. 171, pl. 57, f. 24.
1896. *Columbella (Seminella) speciosa*, Kobelt. Conch. Cab. (ed. Kuster), p. 237, No. 281, pl. 32, f. 7.

Hab.—Western Port; Outer Geelong Harbour.

COLUMBELLA COMINELLÆFORMIS, Tate.

1892. *Columbella cominellæformis*, Tate. T.R.S. S.A., vol. xv., p. 126, pl. 1, f. 8.

Hab.—Western Port.

Obs.—We are rather doubtful as to whether this shell is correctly classed generically, species of *Columbella* that are allied to this in general form, usually have the outer lip thickened and dentate or lirate within; in the species under notice the lip is always thin, acute, and simple. In general habit the shell is closely allied to *Mangelia anomala*, Angas, but it does not attain to so large a size.

NOTE.—The shells of this genus are abundant on our coast, those of the sub-genus *Mitrella* especially so, and it is difficult to define the species, the colouration is so variable that it generally is of very little specific value. The species *C. austrina* and *C. lineolata* are exceptions.

Family CANCELLARIIDÆ.

Genus **Cancellaria**, Lamarek, 1799.**CANCELLARIA GRANOSA**, Sowerby.

1841. *Cancellaria granosa*, Sowerby. Conch. Illustr., p. 2, No. 15, pl. 10, f. 17.
1849. *Cancellaria granosa*, Sowerby. Thes. Conch., vol. ii., p. 443, pl. 95, f. 58, 59.
1885. *Cancellaria granosa*, Tryon. Man. Conch., vol. vii., p. 68, pl. 2, f. 16.
1887. *Cancellaria granosa*, Kobelt. Conch. Cab. (ed. Kuster), p. 48, No. 42, pl. 14, f. 5, 6.

Hab.—Port Phillip; Western Port.

Obs.—With the figures accompanying the original description Sowerby's figure No. 16 was wrongly included, that being *C. undulata*, and he drew attention to the error in his *Thesaurus Conchyliorum*, hence the error of some Australian Conchologists.

CANCELLARIA UNDULATA, Sowerby.

1841. *Cancellaria granosa*, Sowerby. *Conch. Illustr.*, pl. 10, f. 16.
1848. *Cancellaria undulata*, Sowerby. *P.Z.S. Lond.*, p. 136.
1849. *Cancellaria undulata*, Sowerby. *Thes. Conch.*, vol. ii., p. 443, pl. 92, f. 12, and pl. 95, f. 79.
1856. *Cancellaria undulata*, Reeve. *Conch. Icon.*, vol. x., pl. 3, f. 9.
1883. *Cancellaria undulata*, Brazier. *P.L.S. N.S.W.*, p. 226.
1885. *Cancellaria spengleriana*, Tryon (non Deshayes).
Man. Conch., vol. vii., p. 67, pl. 1, f. 4, 5.
1886. *Cancellaria undulata*, Watson. *Chall. Zool.*, vol. xv., p. 273.
1887. *Cancellaria undulata*, Kobelt. *Conch. Cab.* (ed. Kuster), p. 40, No. 35, pl. 13, f. 1-3.

Hab.—San Remo; Port Fairy.

CANCELLARIA LÆVIGATA, Sowerby.

1841. *Cancellaria laevigata*, Sowerby. *Conch. Illustr.*, p. 3, No. 25, pl. 11, f. 24.
1849. *Cancellaria laevigata*, Sowerby. *Thes. Conch.*, vol. ii., p. 448, pl. 92, f. 16, and pl. 96, f. 81.
1885. *Cancellaria (Euclia) laevigata*, Tryon. Man. Conch., vol. vii., p. 74, pl. 3, f. 52.
1887. *Cancellaria laevigata*, Kobelt. *Conch. Cab.* (ed. Kuster), p. 49, No. 43, pl. 14, f. 7, 8.

Hab.—Coast Western District; Western Port.

Obs.—In the National Museum, Melbourne, there is a shell from Tasmania labelled *C. tasmanica*, T. Woods. This is the above species, but as we have not had access to the type, we have deferred including it in the synonymy owing to the meagreness of the description and absence of any illustration.

CANCELLARIA SPIRATA, Lamarck.

- Cancellaria spirata, Lamarck. Anim. S. Vert., vol. ix., p. 408.
1839. Cancellaria spirata, Lamarck. Anim. S. Vert., (Deshayes and Edwards, 3rd edit.), vol. iii., p. 645.
1841. Cancellaria spirata, Sowerby. Conch. Illustr., p. 4, No. 26, pl. 11, f. 25.
1848. Cancellaria excavata, Sowerby. P.Z.S. Lond., p. 137.
1849. Cancellaria spirata, Sowerby. Thes. Conch., vol. ii., p. 449, No. 34, pl. 93, f. 22.
1849. Cancellaria excavata, Sowerby. *Id.*, No. 35, f. 18.
1885. Cancellaria (Trigonostoma) spirata, Tryon. Man. Conch., vol. vii., p. 77, pl. 4, f. 71, and pl. 5, f. 72.
1887. Cancellaria spirata, Kobelt. Conch. Cab. (ed. Kuster), p. 25, No. 20, pl. 6, f. 9, 10.
1887. Cancellaria excavata, Kobelt. Conch. Cab. (ed. Kuster), p. 92, No. 100. Figure in text.
Hab.—Western Port; Portland; Airey's Inlet.

CANCELLARIA MACCOYI, Pritchard and Gatliff.

1898. Cancellaria maccoyi, Pritchard and Gatliff. P.R.S. Vic., vol. xi., n.s., pt. 2, p. 182, pl. 20, f. 6.

Hab.—Western Port

Obs.—The type of this species is in Mr. Gatliff's private collection.

Family TEREBRIDÆ.

Genus **Terebra**, Adamson, 1757.

TEREBRA USTULATA, Deshayes.

1857. Terebra ustulata, Deshayes. Jour. d. Conch., p. 97, pl. 3, f. 12.
1859. Terebra ustulata, Deshayes. P.Z.S. Lond., No. 96, p. 294.
1860. Terebra ustulata, Reeve. Conch. Icon., vol. xii., pl. 17, f. 73.
1885. Terebra ustulata, Tryon. Man. Conch., vol. vii., p. 18, pl. 4, f. 59.

Hab.—Portsea. Western Port.

Obs.—The original figure is coloured brown; our shells are usually fleshy white, and the lower half of the body whorl and apex coloured brown.

TEREBRA KIENERI, Deshayes.

1859. *Terebra kieneri*, Deshayes. P.Z.S. Lond., No. 97,
p. 294.

1860. *Terebra kieneri*, Reeve. Conch. Icon., vol. xii.,
pl. 21, f. 110.

1885. *Terebra spectabilis*, Tryon (non Hinds). Man.
Conch., vol. vii., p. 18, pl. 4, f. 56.

Hab.—Port Phillip; Western Port.

Obs.—The longitudinal ribs in this species are about twice as numerous as in *T. ustulata*; in general habit they are similar.

TEREBRA BRAZIERI, Angas.

1871. *Terebra brazieri*, Angas. P.Z.S. Lond., p. 16, pl.
1, f. 15.

1885. *Terebra brazieri*, Tryon. Man. Conch., vol. vii., p.
35, pl. 10, f. 93.

Hab.—Western Port.

TEREBRA BICOLOR, Angas.

1867. *Acus (Abretia) bicolor*, Angas. P.Z.S. Lond., p.
111, pl. 13, f. 7.

1885. *Terebra ficiilis*, var., Tryon (non Hinds). Man.
Conch., vol. vii., p. 25, pl. 7, f. 11.

1886. *Terebra (Myurella) bicolor*, Watson. Chall. Zool.,
vol. xv., p. 380.

Hab.—Portsea; Western Port.

Obs.—Tryon considers this very well-marked species to be but a variety of *T. ficiilis*, Hinds, with this we cannot agree; even the figures given by him fail to show that such is the case.

TEREBRA ALBIDA, Gray.

1834. *Terebra albida*, Gray. P.Z.S. Lond., p. 63.

1844. *Terebra albida*, Sowerby. Thes. Conch., vol. i., p.
158, pl. 43, f. 56.

1860. *Terebra albida*, Reeve. Conch. Icon., vol. xii., pl. 17, f. 79.

1885. *Terebra albida*, Tryon. Man. Conch., vol. vii., p. 11, pl. 12, f. 29.

Hab.—Portsea, Port Phillip.

Obs.—Originally described as being from New South Wales, Port Phillip at that time forming a portion of that colony.